

## **ABSTRACT**

A Diversity Handover, DHO, node is adapted to execute a macro diversity functionality in a mobile telecommunication system. The DHO node performs an uplink combining of Dedicated Channel, DCH, frames. The DHO node estimates the size of an adaptive receive window for receiving the DCH frames. The adaptive receive window includes a starting point, denoted ref, and an end point for receiving a next DCH frame or a next set of DCH frames to be combined having a Connection Frame Number  $n$ ,  $CFN_n$ , based on the Time of Arrival, ToA, of a previous frame or a previous set of frames having a  $CFN_{n-1}$ . The adaptive receive window is adjusted by changing its end point for a new frame or a new set of frames in accordance with the estimated size.